

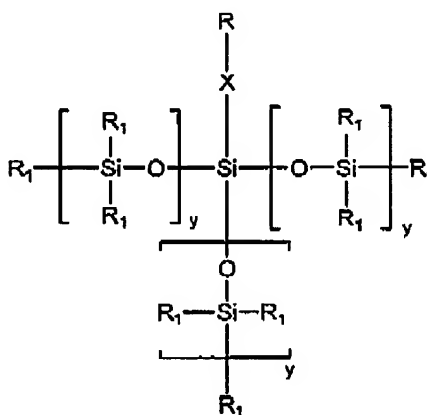
Serial No. 10/003,635

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application

LISTING OF CLAIMS

Claim 1 (withdrawn): Siloxysilane monomers comprising:



wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkyl, C₁₋₁₀ alkyloxy, C₆₋₃₆ aryl and C₆₋₃₆ aryloxy; and the R₁ groups may be the same or different selected from the group consisting of C₁₋₁₀ alkyl, C₁₋₂₀ cycloalkyl, C₆₋₃₆ aryl, C₆₋₃₆ aryl ether, C₆₋₃₆ heterocycle, C₆₋₃₆ heterocycle with one or more substituents, C₁₋₁₀ alkyl ether and C₆₋₃₆ aryloxy; and y may be the same or different non-negative integer less than 101.

Claim 2 (withdrawn): The monomer of claim 1 wherein R is selected from the group consisting of methacrylate, acrylate, acrylamido, methacrylamido, styryl, itaconate, fumaroyl, vinyl, vinyloxy, vinyl carbamate and vinyl carbonate.

Claim 3 (withdrawn): The monomer of claim 1 wherein R is methacrylate or acrylate.

Serial No. 10/003,635

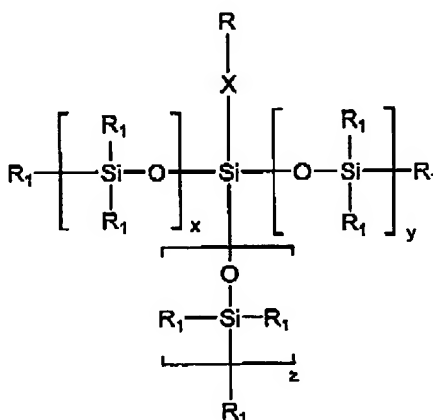
Claim 4 (withdrawn): A method of making the siloxysilane monomer of claim 1 comprising:

producing, through co-hydrolysis of a chlorosilane with a chlorophenylsilane and an acid scavenger, a siloxysilane monomer.

Claim 5 (withdrawn): The method of claim 4 wherein said chlorosilane is 3-methacryloyloxypropylchlorosilane.

Claim 6 (withdrawn): The method of claim 4 wherein said acid scavenger is N,N-dimethylaminopyridine.

Claim 7 (currently amended): A polymeric composition produced through the polymerization of one or more siloxysilane monomers comprising:



Wherein R is a polymerizable group; X is selected from the group consisting of C₁₋₁₀ alkylene, C₁₋₁₀ alkyleneoxy, C₆₋₃₆ arylene and C₆₋₃₆ aryleneoxy; the R₁ groups are the same or different and are selected from the group consisting of ~~C₁₋₁₀ alkyl~~, ~~C₄₋₂₀ cycloalkyl~~, ~~C₆₋₃₆ aryl~~, C₆₋₃₆ aryl ether, C₆₋₃₆ heterocycle, C₆₋₃₆ heterocycle with one or more substituents, C₁₋₁₀ alkyl ether and C₆₋₃₆ aryloxy; x, y, and z are the same or different non-negative integer less than 101, where when x, y, or z is 1, ~~at least one R₁ group is not a C₄ alkyl~~; and said polymeric composition having a modulus approximately 4333 g/mm² or less.

Claim 8 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxy-based monomers.

Serial No. 10/003,635

Claim 9 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers.

Claim 10 (previously presented): A polymeric composition produced through a copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers.

Claim 11 (original): The polymeric composition of claim 8 wherein said one or more aromatic or non-aromatic non-siloxy-based monomers are selected from the group consisting of 2-phenyloxyethyl methacrylate, 3,3-diphenylpropyl methacrylate, glyceryl methacrylate, 3-phenylpropyl acrylate, N,N-dimethylacrylamide, methyl methacrylate, 2-(1-naphthylethyl methacrylate) and 2-(2-naphthylethyl methacrylate).

Claim 12 (original): The polymeric composition of claim 9 wherein said one or more hydrophobic monomers are selected from the group consisting of 2-ethylhexyl methacrylate, 3-methacryloyloxypropyldiphenylmethylsilane and 2-phenyloxyethyl methacrylate.

Claim 13 (original): The polymeric composition of claim 10 wherein said one or more hydrophilic monomers are selected from the group consisting of N,N-dimethylacrylamide and N-methylacrylamide.

Claim 14 (withdrawn): A method of producing ophthalmic devices from the polymeric compositions of claim 7, 8, 9 or 10 comprising:

casting one or more polymeric compositions in the form of a rod;

lathing or machining said rod into disks; and

lathing or machining said disks into ophthalmic devices.

Claim 15 (withdrawn): A method of producing ophthalmic devices from the polymeric compositions of claim 7, 8, 9 or 10 comprising:

pouring one or more polymeric compositions into a mold prior to curing;

Serial No. 10/003,635

curing said one or more polymeric compositions; and

removing said one or more polymeric compositions from said mold following curing thereof.

Claim 16 (withdrawn): A method of using the ophthalmic devices of claim 14 or 15 comprising:

making an incision in the cornea of an eye; and

implanting said ophthalmic device within the eye.

Claim 17 (withdrawn): The method of claim 14, 15 or 16 wherein said devices are intraocular lenses or corneal inlays.

Claim 18 (withdrawn): The method of claim 14 or 15 wherein said devices are contact lenses.

Claim 19 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxy-based monomers and one or more strengthening agents.

Claim 20 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers and one or more strengthening agents.

Claim 21 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers and one or more strengthening agents.

Claim 22 (previously presented): A polymeric composition produced through the polymerization of one or more monomers of claim 7 with one or more strengthening agents.

Claim 23 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more aromatic or non-aromatic non-siloxy-based monomers and one or more crosslinking agents.

Serial No. 10/003,635

Claim 24 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophobic monomers and one or more crosslinking agents.

Claim 25 (previously presented): A polymeric composition produced through the copolymerization of one or more monomers of claim 7 with one or more hydrophilic monomers and one or more crosslinking agents.

Claim 26 (previously presented): A polymeric composition produced through the polymerization of one or more monomers of claim 7 with one or more crosslinking agents.

Claim 27 (previously presented): The polymeric composition of claim 19, 20, 21 or 22 wherein said one or more strengthening agents are selected from the group consisting of cycloalkyl acrylates and cycloalkyl methacrylates.

Claim 28 (original): The polymeric composition of claim 23, 24, 25 or 26 wherein said one or more crosslinking agents are selected from the group consisting of diacrylates and dimethacrylates of triethylene glycol, butylene glycol, neopentyl glycol, ethylene glycol, hexane-1,6-diol and thio-diethylene glycol, trimethylolpropane triacrylate, N,N'-dihydroxyethylene bisacrylamide, diallyl phthalate, triallyl cyanurate, divinylbenzene; ethylene glycol divinyl ether, N,N'-methylene-bis-(meth)acrylamide, sulfonated divinylbenzene and divinylsulfone.